

April 19, 2010

Mr. Scott Miller  
U.S. Environmental Protection Agency, Region IV  
4WD-SRTMB  
61 Forsyth Street, S.W.  
Atlanta, Georgia 30303-3104

**VIA EMAIL**

Subject: March 2010 Monthly Progress Report

Dear Mr. Miller:

On behalf of Beazer East, Inc. (Beazer), attached is the March 2010 Monthly Progress Report for the Cabot Carbon/Koppers Superfund Site in Gainesville, Florida, as required by 1991 Unilateral Administrative Order (UAO) and the 1994 UAO Amendment. If you have any questions or comments, please contact me.

Sincerely,



Gregory W. Council, P.E.  
Principal Engineer

cc: Kelsey Helton, Florida DEP  
John Mousa, Alachua County EPD  
Rick Hutton, Gainesville Regional Utilities  
John Herbert, Jones Edmunds  
Penny Salisbury, Koppers  
Linda Paul, Koppers  
Joyce Fankulewski, Koppers  
Mitchell Brouman, Beazer  
Mike Slenska, Beazer  
Donna Kopach, Beazer  
Jim Erickson, GeoTrans  
Guy Roemer, GeoTrans

**March 2010**  
**MONTHLY PROGRESS REPORT**  
**Cabot Carbon/Koppers Superfund Site**  
**Gainesville, Florida**

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**1. Description of actions taken to comply with the Unilateral Administrative Order (March 1991) and estimate of the percentage of the RD/RA completed:**

- Beazer's Operation and Maintenance (O&M) Contractor performed routine treatment plant operation and maintenance services for the ground water remedial system.
- Actions related to the Second (2006) Five-Year Review recommendations are being performed through 2010.

**2. Summary of results of sampling and tests and all other data during the month:**

- Instantaneous flow rates and totalizer volumes were measured in each extraction well.
- Passive NAPL recovery continues: 3.9 gallons of NAPL were bailed from Upper Hawthorn wells during the past month (2 recovery events). A total of 381.21 gallons have been bailed since the start of the NAPL recovery program on June 19, 2004. The two-week recovery schedule was started October 25, 2005. The attached table provides details of the NAPL recovery volumes by well and date.
- A total of 2,710,747 gallons of ground water were recovered by the Surficial Aquifer drains and extraction well system during the past month (system run time of 723.6 hours). The water was treated and discharged to Gainesville Regional Utilities (GRU). The average recovery rate for the month was approximately 62.4 gallons per minute (gpm). The recovery rate for each component is listed below.
  - Perimeter Extraction Wells: 930,490 gallons
  - FW-6: 32,388 gallons
  - FW-21B: 104,296 gallons
  - Former North Lagoon Drain: 401,106 gallons
  - Former Drip Track Drain: 470,499 gallons
  - Former Process Area Drain: 418,902 gallons
  - Former South Lagoon Drain: 353,066 gallons

**3. Summary of all plans, reports, deliverables and procedures completed:**

- Completed monthly maintenance check.
- Inspected piezometers, extraction wells, piping, valves, treatment plant vessels and controls, buildings and grounds.
- Completed 1<sup>st</sup> quarter Upper Floridan Aquifer sampling at FW-23C on March 1st.
- Conducted groundwater sampling at FW-28B on March 15<sup>th</sup>.
- Drained and cleaned clarifier at Former South Lagoon Drain and transferred sludge.
- Removed and cleaned flowmeter at FW-6.

- Replaced pump at EW-6
- Disposed 215 drums of PPE, spent filters, plastic, treatment sludge, and hazardous soil.
- Completed preliminary well development at FW-31BE.
- Started well development at FW-27B and FW-28B.
- Completed well installation at FW-30B.
- Submitted 2009 Second Semiannual Comprehensive Groundwater Monitoring Report.
- Submitted a Data Summary Report Addendum with results of recent on-Site (northern area) soil samples.

**4. Projected work for the next month (April 2010) with schedule considerations:**

- Please see the attached draft schedule. Note that this is a working schedule and is likely to change. (This schedule is identical to the one provided with the February 2010 report.)
- Measure instantaneous flow rates and totalizer volumes for each extraction well.
- Continue NAPL removal from Hawthorn Group wells on a two-week schedule.
- Continue Upper Floridan Aquifer Northwest Area Drilling.

**5. Summary of problems or potential problems and actual or anticipated delays encountered during the month:**

- None this reporting period.

**6. Actions being taken to rectify problems or delays:**

- None this reporting period.

**7. Supplemental information:**

- Please see the attached draft schedule. Note that this is a working schedule and is likely to change. (This schedule is identical to the one provided with the February 2010 report.)

**8. Changes in personnel during this month:**

- None this reporting period.







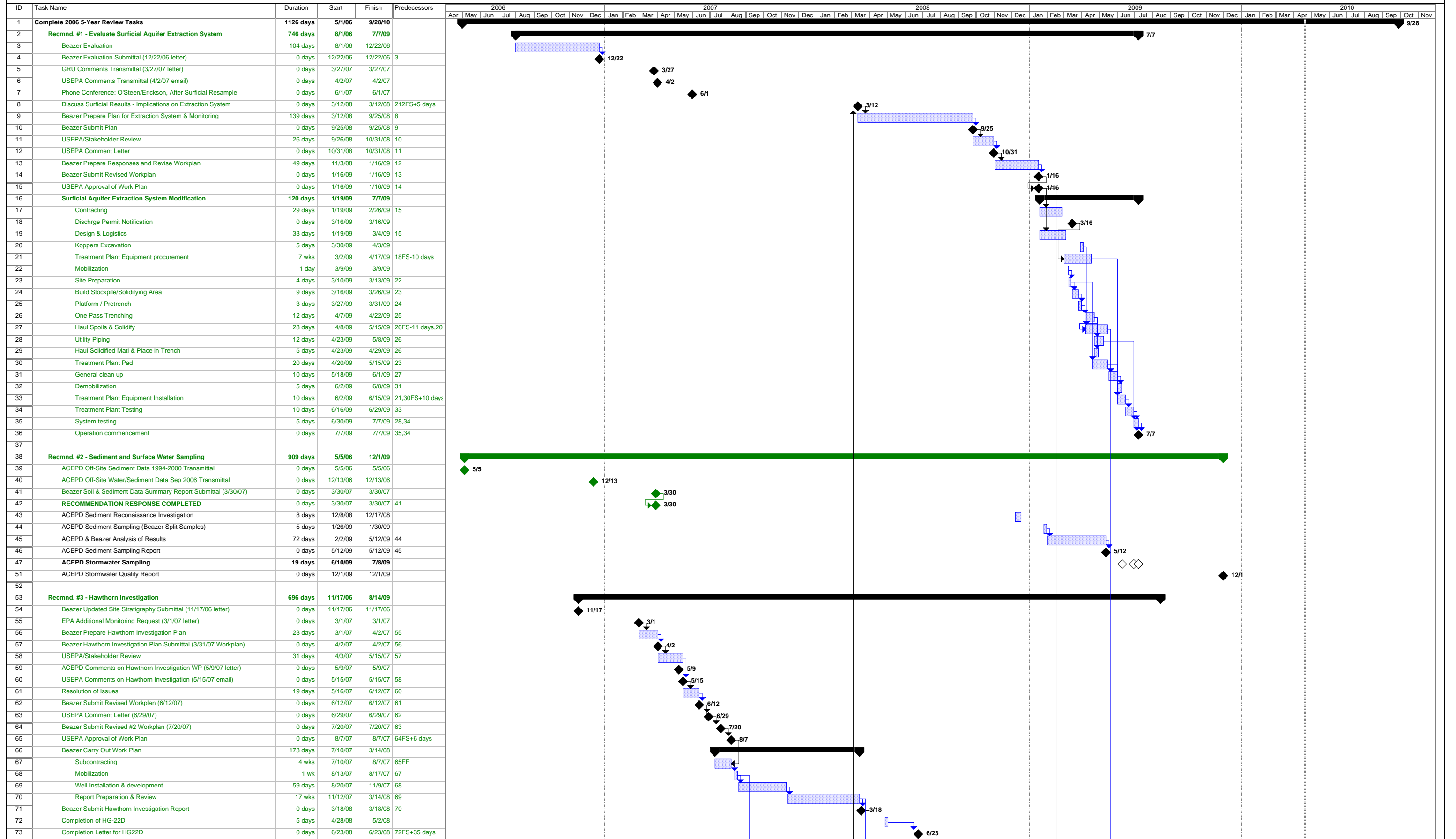
Hawthorn Group Passive NAPL Recovery (Page 4 of 4)

| Well                 | HG-9S          |                    | HG-10S         |                    | HG-10D         |                    | HG-11S         |                    | HG-12S         |                    | HG-12D         |                    | HG-15S         |                    | HG-16S         |                    | HG-16D         |                    | FW-6           |                    | Total Vol. removed (gal) |
|----------------------|----------------|--------------------|----------------|--------------------|----------------|--------------------|----------------|--------------------|----------------|--------------------|----------------|--------------------|----------------|--------------------|----------------|--------------------|----------------|--------------------|----------------|--------------------|--------------------------|
|                      | Thickness (ft) | Vol. Removed (gal) | Thickness (ft) | Vol. Removed (gal) | Thickness (ft) | Vol. Removed (gal) | Thickness (ft) | Vol. Removed (gal) | Thickness (ft) | Vol. Removed (gal) | Thickness (ft) | Vol. Removed (gal) | Thickness (ft) | Vol. Removed (gal) | Thickness (ft) | Vol. Removed (gal) | Thickness (ft) | Vol. Removed (gal) | Thickness (ft) | Vol. Removed (gal) |                          |
| 7/24/2009            | stain          | 0                  | 1.95           | 0.25               | stain          | 0                  | 3.98           | 0.7                | 3.25           | 0.3                | ND             | 0                  | 6.78           | 1                  | 0.97           | 0.1                | ND             | 0                  | ND             | 0                  | 2.35                     |
| 8/6/2009             | stain          | 0                  | 1.83           | 0.25               | stain          | 0                  | 3.42           | 0.8                | 2.95           | 0.5                | ND             | 0                  | 7.36           | 1.1                | 1.03           | 0.2                | ND             | 0                  | ND             | 0                  | 2.85                     |
| 8/20/2009            | stain          | 0                  | 1.87           | 0.3                | stain          | 0                  | 3.43           | 0.8                | 2.42           | 0.5                | ND             | 0                  | 7.93           | 1.1                | 1.07           | 0.2                | stain          | 0                  | ND             | 0                  | 2.9                      |
| 9/3/2009             | stain          | 0                  | 1.81           | 0.3                | stain          | 0                  | 2.84           | 0.8                | 2.06           | 0.3                | ND             | 0                  | 7.04           | 1                  | 0.92           | 0.1                | stain          | 0                  | ND             | 0                  | 2.5                      |
| 9/16/2009            | stain          | 0                  | 1.53           | 0.3                | stain          | 0                  | 2.7            | 0.7                | 2.23           | 0.35               | ND             | 0                  | 6.73           | 0.8                | 1.05           | 0.15               | stain          | 0                  | ND             | 0                  | 2.3                      |
| 9/30/2009            | stain          | 0                  | 2.1            | 0.3                | stain          | 0                  | 2.66           | 0.6                | 2.51           | 0.4                | ND             | 0                  | 6.69           | 0.9                | 1.13           | 0.2                | stain          | 0                  | ND             | 0                  | 2.4                      |
| 10/21/2009           | stain          | 0                  | 2.83           | 0.3                | stain          | 0                  | 2.69           | 0.65               | 2.96           | 0.5                | ND             | 0                  | 6.94           | 1.05               | 1.21           | 0.2                | stain          | 0                  | NM             | 0                  | 2.7                      |
| 11/5/2009            | stain          | 0                  | 3.01           | 0.3                | stain          | 0                  | 2.91           | 0.6                | 2.86           | 0.6                | ND             | 0                  | 6.75           | 2.1                | 1.33           | 0.2                | stain          | 0                  | NM             | 0                  | 3.8                      |
| 11/18/2009           | stain          | 0                  | 1.88           | 0.3                | stain          | 0                  | 2.78           | 0.6                | 2.78           | 0.4                | ND             | 0                  | 5.15           | 1.6                | 1.57           | 0.2                | stain          | 0                  | NM             | 0                  | 3.1                      |
| 12/1/2009            | stain          | 0                  | 1.7            | 0.2                | stain          | 0                  | 2.54           | 0.6                | 2.92           | 0.45               | ND             | 0                  | 4              | 1                  | 1.03           | 0.1                | stain          | 0                  | NM             | 0                  | 2.35                     |
| 12/17/2009           | stain          | 0                  | 1.59           | 0.2                | stain          | 0                  | 2.69           | 0.5                | 2.79           | 0.5                | ND             | 0                  | 3.9            | 1                  | 1.55           | 0.2                | stain          | 0                  | NM             | 0                  | 2.4                      |
| 12/31/2009           | stain          | 0                  | 2.08           | 0.3                | stain          | 0                  | 2.54           | 0.6                | 2.74           | 0.4                | ND             | 0                  | 3.6            | 0.9                | 0.93           | 0.1                | stain          | 0                  | NM             | 0                  | 2.3                      |
| 1/14/2010            | stain          | 0                  | 1.98           | 0.25               | stain          | 0                  | 2.38           | 0.6                | 3.03           | 0.4                | ND             | 0                  | 3.57           | 0.9                | 1.2            | 0.2                | stain          | 0                  | NM             | 0                  | 2.35                     |
| 1/26/2010            | stain          | 0                  | 1.55           | 0.2                | stain          | 0                  | 2.39           | 0.5                | 2.06           | 0.3                | ND             | 0                  | NA             | 0.65               | 1.06           | 0.1                | stain          | 0                  | NM             | 0                  | 1.75                     |
| 2/10/2010            | stain          | 0                  | 1.51           | 0.1                | stain          | 0                  | 2.45           | 0.4                | 2.93           | 0.3                | ND             | 0                  | 3.33           | 0.65               | 1.15           | 0.1                | stain          | 0                  | NM             | 0                  | 1.55                     |
| 2/25/2010            | stain          | 0                  | 1.8            | 0.25               | stain          | 0                  | 2.54           | 0.4                | 2.73           | 0.3                | ND             | 0                  | 3.13           | 0.4                | 0.95           | 0.1                | stain          | 0                  | NM             | 0                  | 1.45                     |
| 3/10/2010            | stain          | 0                  | 1.97           | 0.25               | stain          | 0                  | 2.32           | 0.4                | 2.43           | 0.4                | ND             | 0                  | 4.14           | 0.5                | 1.26           | 0.2                | stain          | 0                  | NM             | 0                  | 1.75                     |
| 3/29/2010            | stain          | 0                  | 2.35           | 0.3                | stain          | 0                  | 2.74           | 0.6                | 2.93           | 0.4                | ND             | 0                  | 5.17           | 0.75               | 0.93           | 0.1                | stain          | 0                  | NM             | 0                  | 2.15                     |
| <b>Total Removed</b> |                | 0.1                |                | 56.30              |                | 0.0                |                | 97.20              |                | 67.45              |                | 0.0                |                | 106.61             |                | 53.55              |                | 0.0                |                | 0.0                | 381.21                   |

Notes:

- 6/19/04 measured with bailer
- 7/07/04 measured with weighted cotton string
- Other dates used Bailer & Interface Probe
- ND indicates NAPL not detected
- NM indicates measurement not taken
- Stain indicates that NAPL stained measurement probe, but thickness was unmeasurable
- Blank indicated no measured DNAPL removal
- 10/25/05 began two-week schedule
- 5/17/06 used low-flow pump (as opposed to the bailer)
- 7/10/07 RH performed bailing
- 11/13/07 New Heron Oil/Water Interface Probe (H01L/SM01L) now in use
- 3/4/08 through 8/25/08 Key Environmental pumping well running 8 ft away from HG-10S and HG-10D
- 12/23/08 Michael Toundas performed DNAPL recovery
- 2/3/2009 difficulties with obtaining DNAPL/water interface with new tape
- 3/18/09 - only performed DNAPL recovery at HG-15S
- starting on 8/20/09 - used peristaltic pump at HG-11S & HG-15S; stain observed at HG-16D and M-22B
- 10/21/2009 - FW-6 no longer measured due to Upper Floridan IRM

**Cabot Carbon/Koppers Site: Combined Beazer USEPA Schedule (DRAFT FOR DISCUSSION)**

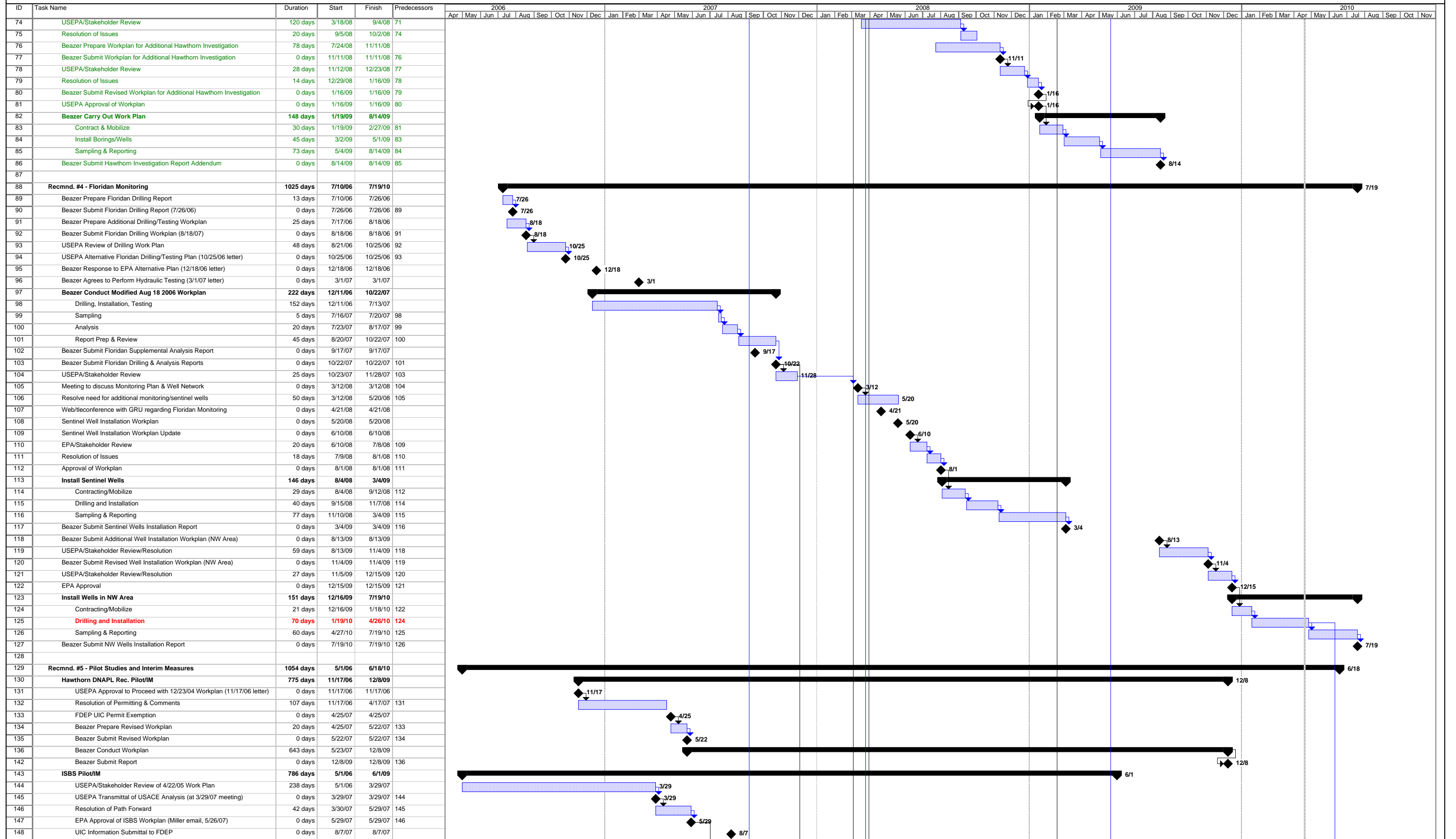


Date: 4/19/10  
 Current/In-Progress Item  
 Completed Major Task

Task [Bar] Milestone [Diamond] Summary [Arrow]



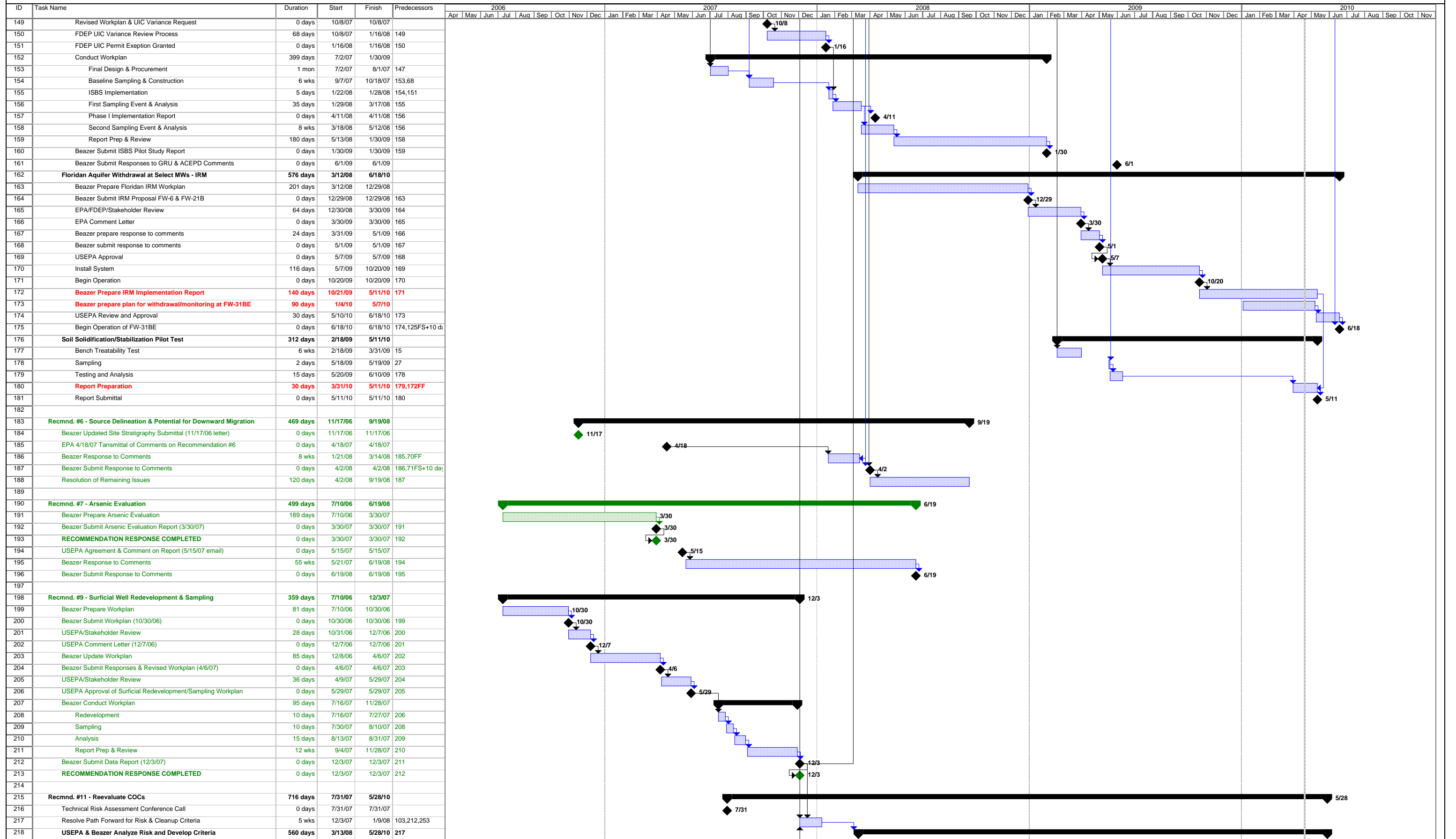
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Task Milestone Summary

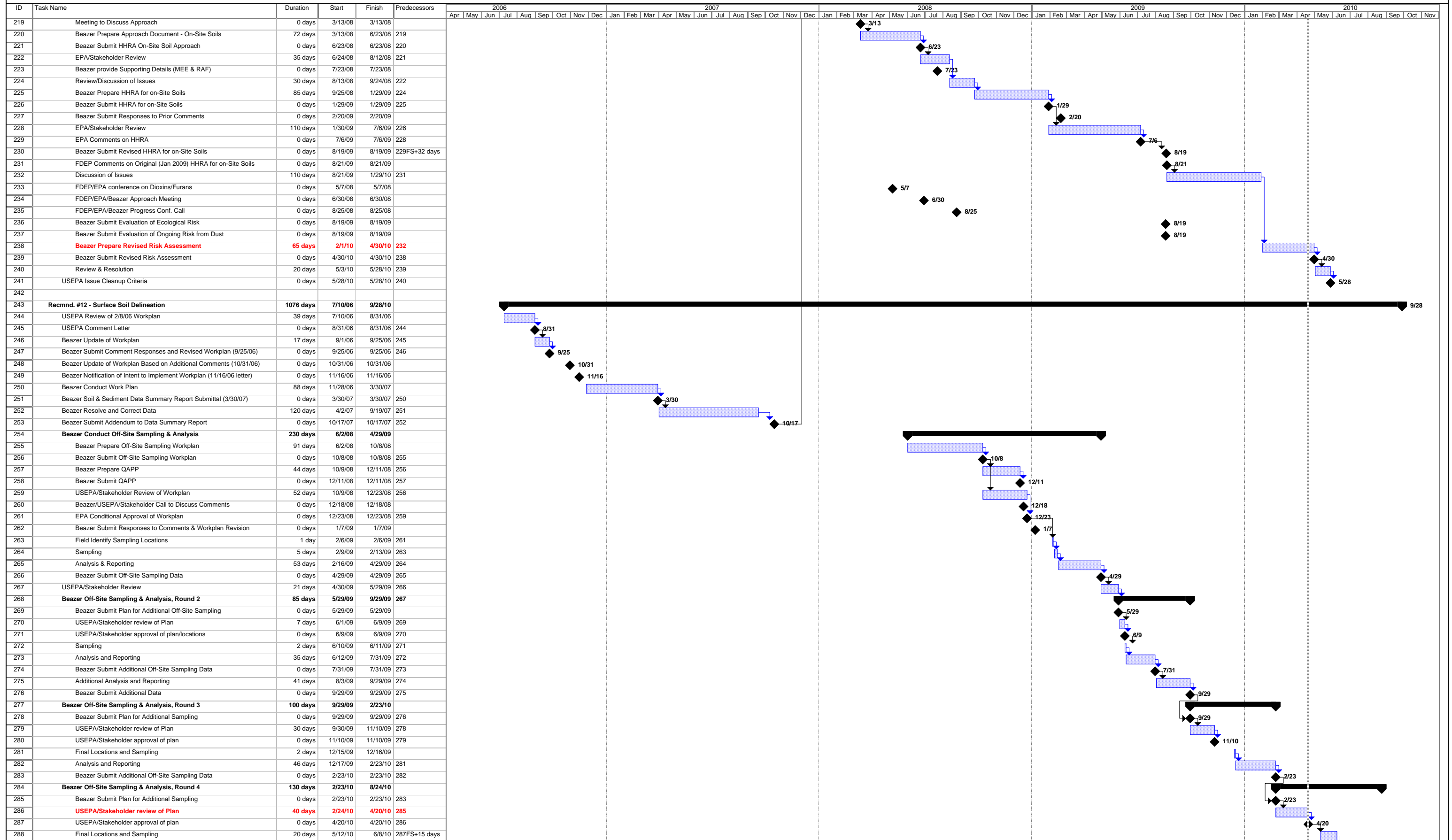
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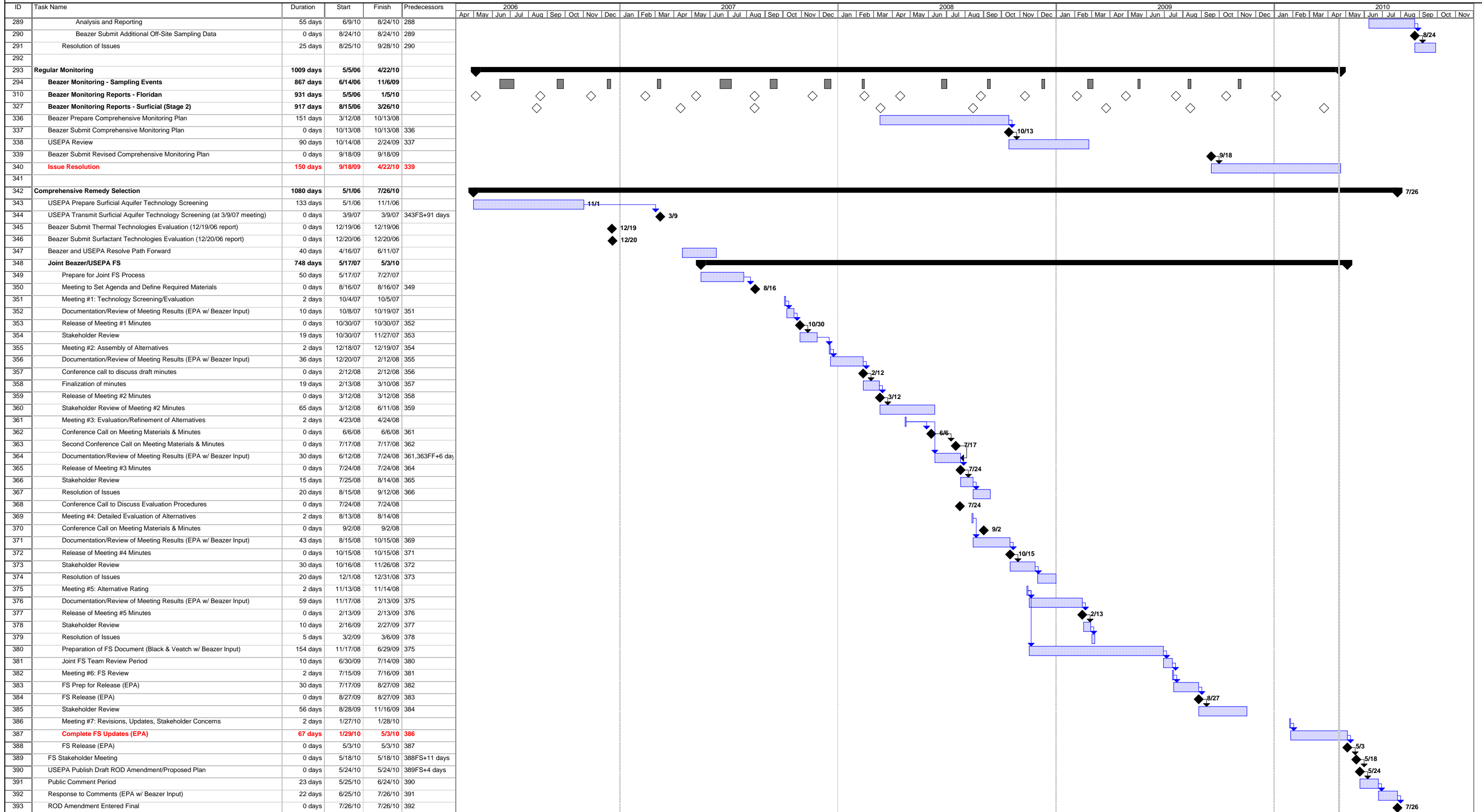
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Date: 4/19/10  
Current/In-Progress Item  
Completed Major Task

Task  Milestone ◆ Summary

Cabot Carbon/Koppers Site: Combined Beazer USEPA Schedule (DRAFT FOR DISCUSSION)



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Current/In-Progress Item  
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Task Milestone Summary